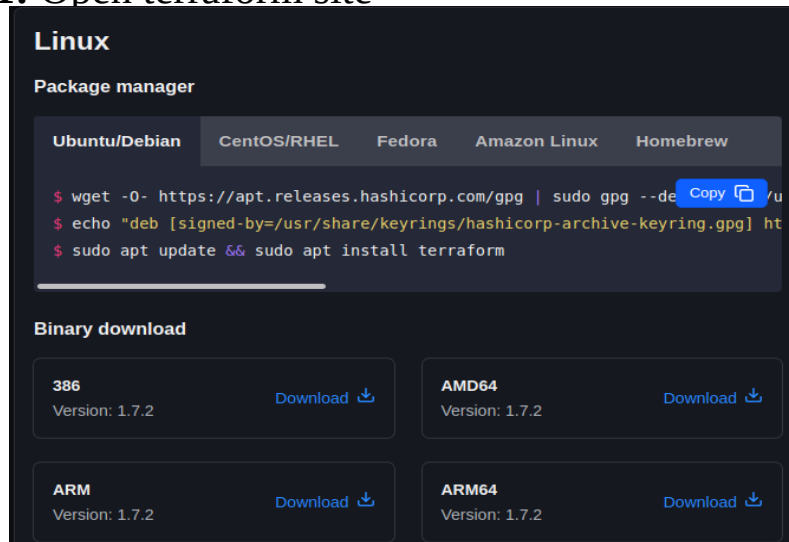


# LAB-1

## Install Terraform

Installing Terraform on linux requires you to download correct Terraform package, unpack, and execute it via CLI. Follow instructions below to ensure you do not miss any steps.

### Step1: Open terraform site



### Step2: Open terminal and execute the following commands

```
→ wget -O- https://apt.releases.hashicorp.com/gpg | sudo gpg --dearmor -o /usr/share/keyrings/hashicorp-archive-keyring.gpg
echo "deb [signed-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg] https://apt.releases.hashicorp.com $(lsb_release -cs) main" | sudo tee /etc/apt/sources.list.d/hashicorp.list
sudo apt update && sudo apt install terraform
--2024-02-06 23:18:00-- https://apt.releases.hashicorp.com/gpg
File '/usr/share/keyrings/hashicorp-archive-keyring.gpg' exists. Overwrite? (y/N) Resolving apt.releases.hashicorp.com (apt.releases.hashicorp.com)... 108.158.221.60, 108.158.221.87, 108.158.221.108, ...
Connecting to apt.releases.hashicorp.com (apt.releases.hashicorp.com)[108.158.221.60]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 3980 (3.9K) [binary/octet-stream]
Saving to: 'STDOUT'

100%[=====] 3.89K --.-KB/s in 0s

2024-02-06 23:18:00 (2.78 GB/s) - written to stdout [3980/3980]


Overwrite? (y/N) y
deb [signed-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg] https://apt.releases.hashicorp.com jammy main
Hit:1 https://apt.releases.hashicorp.com jammy InRelease
Hit:2 https://brave-browser-apt-release.s3.brave.com stable InRelease
Get:3 https://download.docker.com/linux/ubuntu jammy InRelease [48.8 kB]
Get:4 https://packages.microsoft.com/repos/code stable InRelease [3,589 B]
Hit:5 http://ports.ubuntu.com/ubuntu-ports jammy InRelease
Get:6 https://packages.microsoft.com/repos/code stable/main amd64 Packages [17.0 kB]
Get:7 http://ports.ubuntu.com/ubuntu-ports jammy-updates InRelease [119 kB]
Hit:8 http://ports.ubuntu.com/ubuntu-ports jammy-backports InRelease
Get:9 http://ports.ubuntu.com/ubuntu-ports jammy-security InRelease [110 kB]
Get:10 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 Packages [1,154 kB]
Get:11 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main Translation-en [268 kB]
Get:12 http://ports.ubuntu.com/ubuntu-ports jammy-updates/restricted arm64 Packages [918 kB]
Get:13 http://ports.ubuntu.com/ubuntu-ports jammy-updates/restricted Translation-en [220 kB]
Get:14 http://ports.ubuntu.com/ubuntu-ports jammy-security/main arm64 Packages [944 kB]
Get:15 http://ports.ubuntu.com/ubuntu-ports jammy-security/main Translation-en [208 kB]
Get:16 http://ports.ubuntu.com/ubuntu-ports jammy-security/restricted arm64 Packages [903 kB]
Get:17 http://ports.ubuntu.com/ubuntu-ports jammy-security/restricted Translation-en [215 kB]
Fetched 5,129 kB in 4s (1,203 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
23 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

### Step3: Add Terraform path in environment variable

```
~ as 🖥️ took 19s  
→ sudo gedit /etc/profile
```

```
1 # /etc/profile: system-wide .profile file for the Bourne shell (sh(1))  
2 # and Bourne compatible shells (bash(1), ksh(1), ash(1), ...).  
3  
4 if [ "${PS1-}" ]; then  
5   if [ "${BASH-}" ] && [ "$BASH" != "/bin/sh" ]; then  
6     # The file bash.bashrc already sets the default PS1.  
7     # PS1='\h:\w\$ '  
8     if [ -f /etc/bash.bashrc ]; then  
9       . /etc/bash.bashrc  
10    fi  
11  else  
12    if [ "$(id -u)" -eq 0 ]; then  
13      PS1='# '  
14    else  
15      PS1='$ '  
16    fi  
17  fi  
18 fi  
19  
20 if [ -d /etc/profile.d ]; then  
21   for i in /etc/profile.d/*.sh; do  
22     if [ -r $i ]; then  
23       . $i  
24     fi  
25   done  
26   unset i  
27 fi  
28 TERRAFORM="/usr/bin/terraform"  
29 export TERRAFORM  
30 export PATH=$PATH:$TERRAFORM/bin
```

## Step 4: Verify Linux Terraform Installation

```
~ as   
→ terraform -version  
Terraform v1.7.2  
on linux_arm64
```